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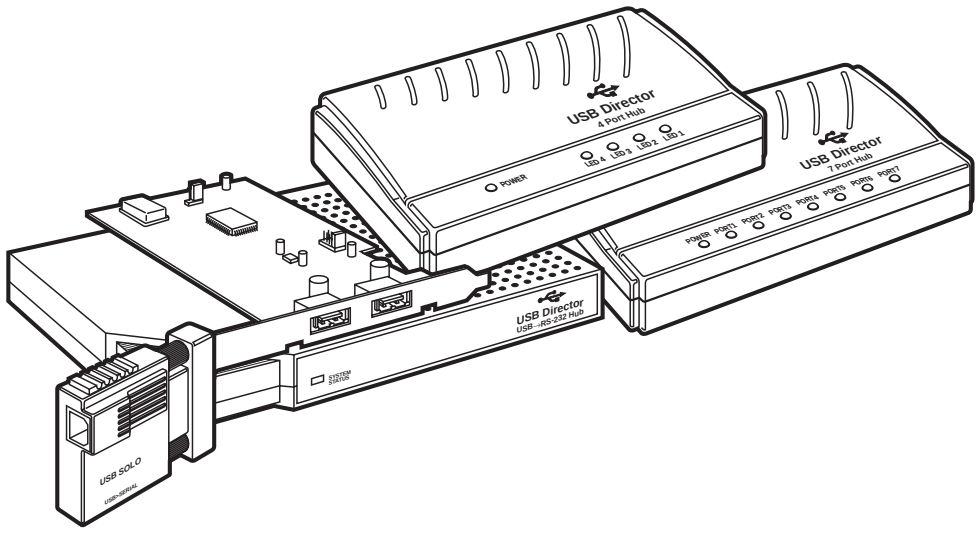
Black Box Corporation.

BLACK BOX®

The World's Source for Cabling and Network Connectivity℠

USB Director, USB Card, USB Solo



Plug-and-play connections are easy with these USB products from Black Box.

Key Features

- *IC135A gives your PC four additional high-speed serial COM ports to which you can attach multiple peripherals.*
- *IC134A or IC137A provides one USB input and four or seven USB outputs for attaching serial or parallel peripherals.*
- *Used in conjunction with the IC135A or IC134A, the IC136C supplies two USB "A" ports to your PC.*
- *IC138A lets you connect a single serial peripheral to the USB port on your PC.*
- *Works with Windows 95 B or better. Diagnostic software is included.*

Universal Serial Bus (USB) makes adding peripheral devices to your PC easy. It replaces all the different kinds of serial and parallel port connectors with one standardized plug and port combination. With USB-compliant PCs and peripherals, you just plug them in and turn them on.

USB devices can have "A" type ports or "B" type ports. Typically, the "A" ports are used at the host and the "B" ports are used at the peripheral device.

And if your PC does not have a USB port, Black Box has a PCI card that provides this port. Order the USB Card (part number IC136C).

Also available from Black Box are a USB to serial adapter (part number IC135A), a USB Director / 4 Port Hub (part number IC134A), and a USB Director / 7 Port Hub (part number IC137A).

- The IC135A converts a USB "B" port to four high-speed serial ports, so you can attach up to four RS-232 devices to your PC.
- The IC134A or IC137A gives you one USB input and four or seven USB outputs, so you can connect up to four or seven USB devices to your PC.
- The IC138A lets you connect a single old-style serial peripheral to the USB port on your Windows computer.

To take advantage of USB's plug-and-play capability, your PC must be running Windows 95 B or better. USB devices won't work with Windows 95 A.

If you're not sure if your PC supports USB, diagnostic software is included to help you find out whether you'll need to upgrade your software.

Other applications of USB include attaching printers, monitors with built-in USB hubs, and parallel converter cables. (Windows 98 software has USB drivers built-in.)

Typical Application

Attach up to four or seven serial or parallel USB devices to your PC with the IC134A or IC137A.

If your PC does not have a USB port, install the IC136C and use it with the IC134A, IC137A, or IC135A to gain additional peripheral ports.

Attach up to four serial peripherals to your USB-compliant PC with the IC135A.

Technically Speaking

What is USB?

Universal Serial Bus (USB) is an instant, no-hassle way to connect peripheral devices to your PC. It replaces serial- and parallel-port connections with one standard plug and port combination.

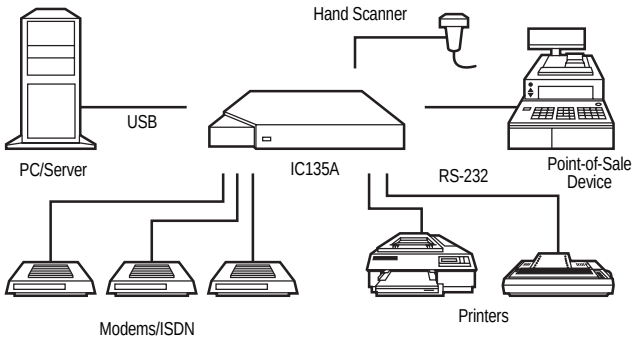
And the USB architecture is supported by Intel®, Microsoft®, and most major PC manufacturers.

Many PCs come with two USB ports for connecting serial or parallel peripherals.

If you want to attach up to four peripherals, choose a USB hub. To use the USB Hubs, you must either have a USB port on your PC, or install a USB Card in a PCI slot of your PC.

To use USB technology, your PC must be running Windows 95 B or better. Software to determine if your PC is USB-compliant is included with the Hubs, as well as drivers to upgrade your software to support USB.

All of Black Box's USB products work with the latest software on the market, including Windows 98.



Additional equipment you may need:

- USB cables

Specifications

IC134A or IC137A:

Enclosure — Plastic (ABC V0)

Temperature — Operating: 32 to 158° F (0 to 70° C); Storage: -40 to 158° F (-40 to 70° C)

Humidity — Operating: 10 to 80%; Storage: 5 to 90%

Connectors — (4) or (7) "A type", (1) "B type"

Power — 7.5 VDC, 2 A

Size — IC134A: 1.1"H x 5.5"W x 2.9"D (2.9 x 14 x 7.5 cm); IC137A: 1.1"H x 6.5"W x 7.9"D (2.8 x 16.5 x 19.1 cm)

Weight — IC134A: 0.33 lb. (0.15 kg); IC137A: 0.5 lb. (0.23 kg)

IC135A:

System Requirements — Pentium-class CPU, 16-MB RAM, (1) available USB type A (downstream) port, Windows 98 or OSR2 version of Windows 95 shipping with PCs and servers supporting a USB bus

Temperature — 32 to 104° F (0 to 40° C)

Humidity — 0 to 95% noncondensing

Speed — 110 to 230 Kbps

Interface — EIA RS-232

Connectors — (4) DB9 male

Power — USB bus-powered, consumes less than 200 mA at full operating speed

Size — 1.5"H x 9"W x 5"D (3.8 x 22.9 x 12.7 cm)

Weight — 1 lb. (0.5 kg)

IC136C:

System Requirements — Hardware: IBM PC or compatible, PCI slot; Software: Microsoft® Windows® 95 Rev. B or Windows 98 or higher

Interface — PCI

Connectors — (2) USB "A" type

Power — from the PCI bus

Size — 1"H x 4"W x 4"D (2.5 x 10.2 x 10.2 cm)

Weight — 0.5 lb. (0.2 kg)

IC138A:

System Requirements — PC that supports USB, Windows 95 OSR2.x or Windows 98

Connectors — (1) USB Type B, (1) RS-232 DB25

Power — Self-powered: 0.5 W, 5 VDC, 100 mA max; Bus: Powered from USB host controller or hub

Size — 2.8"H x 2.4"W x 1.3"D (7.1 x 6.1 x 3.3 cm)

Weight — 0.4 lb. (0.2 kg)

For these and other components...

Call our expert Technical Support Staff for all your PC needs. They'll help you find the best equipment for your application.

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
USB Director / 4 Port Hub	IC134A
USB Director / 7 Port Hub	IC137A
USB Director / USB—RS-232 Hub	IC135A
USB Card	IC136C
USB Solo (USB→Serial)	IC138A

You might also want to order cables:

Universal Serial Bus (USB) Cable	USB01